#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Chen, James

Serial No.:

09/905,777

Customer No.:24961

Confirmation No.:5768

Filed:

July 13, 2001

For:

Noninvasive Vascular Therapy

Art Unit:

1614

Examiner:

Unassigned



#### TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith are a Supplemental Information Disclosure Statement, Forms PTO-1449 (12 pages) and cited references for filing in connection with the above-identified application.

The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,

HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman Registration No. 33,779

Date: October 2, 2003

Attorney Docket No. 25886-0057

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# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### Dear Sir:

Because this Supplemental Information Disclosure Statement is filed prior to receipt of a First Office Action on the Merits for the above-captioned application, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. The Forms PTO-1449 (12 pages) and cited references are provided herewith.

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language with the exception of Items DE and DF. Items DE and DF





(Japanese Patent No. 53084998 and 57185220, respectively) are in the Japanese language and are supplied with certified English language translations (Items EK and EL, respectively). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Office the following U.S. applications which are commonly owned and/or have one or more inventors in common with the instant application.

U.S.S.N.	Filing Date	Publication No. or Issue No.	Publication or Issue Date	Docket No.
10/384,895	03/07/03			0044RI
10/385,378	03/07/03			0044BRI
09/592,150	06/12/00	6,624,187	09/23/03	0049
09/801,163	03/07/01			0050
10/351,730	01/23/03	2003-0167033	09/04/03	0052
10/211,784	08/01/02	2002-0198576	12/26/02	0054C
09/271,575	03/18/99	6,602,274	08/05/03	0055
09/905,501	07/13/01	2002-0087205	07/04/02	0055B
10/317,269	12/10/02	2003-0109813	06/12/03	0055C
10/410,700	04/08/03			0055D
09/905,405	07/13/01	2003-0018371	01/23/03	0060
09/386,692	08/31/99	2003-0114434	06/19/03	0061
09/760,362	01/12/01			0062
10/091,144	03/04/02			0066B
10/607,922	06/27/03			0094
10/613,474	07/02/03			0095
09/150,821	09/11/98			CHEN0079



### U.S.S.N. 09/905,777 Chen SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

10/021,891   12/12/01   2003-0030342   02/13/03   CHEN0145
------------------------------------------------------------

Int'l App. No.	Filing Date	Publication No.	Publication Date	Docket No.
PCT/US03/02303	01/23/03			0052PC
PCT/US03/20427	06/27/03	,		0094PC
PCT/US03/21179	07/02/03			0095PC
03010382.4	05/10/03			CHEN0188
PCT/US02/28149	11/25/02	WO03052793	06/26/03	CHEN0187

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

#### U.S.S.N. 09/905,777 Chen SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,

HELLER, EHRMAN, WHITE & McAULIFFE LLP

By:

Stephanie L. Seidman Registration No. 33,779

Date: October 2, 2003

Attorney Docket No. 25886-0057

Address all correspondence to:
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#### **FORM PTO-1449** ATTY. DOCKET NO. SERIAL NO. CONFIRM, NO. 09/905,... CUSTOMER NO CENTRAL CONTROL CONTRO 25886-0057 09/905,777 5768 **APPLICANT** LIST OF PATENTS AND PUBLICATIONS FOR Chen, James APPLICANT'S INFORMATION DISCLOSURE **STATEMENT** FILING DATE

July 13, 2001

1614

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		D	OCUM	IENT N	NUMBI	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
	А	0	0	1	8	3	7	1	01/23/03	Chen	607	88	07/13/01
	В	0	0	4	4	6	2	3	11/22/01	Chen	606	2	07/20/01
	С	0	1	0	9	8	1	3	06/12/03	Chen	60	2	12/10/02
	D	0	1	1	4	4	3	4	06/19/03	Chen et al.	514	185	08/31/99
	E	0	1	2	7	2	2	4	09/12/02	Chen	424	130.1	03/04/02
	F	0	1	2	7	2	3	0	09/12/02	Chen	424	178.1	07/13/01
	G	0	1	9	8	5	7	6	12/26/02	Chen	607	88	12/26/02
	Н	4	3	3	7	7	5	9	07/06/82	Popovich et al.	126	438	02/27/81
-	1	4	6	7	5	3	3	8	06/23/87	Bommer <i>et al.</i>	514	410	07/18/84
	J	4	6	9	3	5	5	6	09/15/87	McCaughan, Jr.	350	320	06/04/85
	К	4	6	9	3	8	8	5	09/15/87	Bommer et al.	424	2	04/30/85
	L	4	7	5	3	9	5	8	06/28/88	Weinstein et al.	514	410	06/25/86
	М	4	8	2	3	2	4	4	04/18/89	Alaybayoglu <i>et al</i> .	362	194	01/29/88
	N	4	8	4	9	2	0	7	07/18/89	Sakata <i>et al.</i>	424	1.1	10/23/86
	0	4	9	3	2	9	3	4	06/12/90	Dougherty <i>et al.</i>	604	21	08/24/88
	Р	4	9	9	8	9	3	0	03/12/91	Lundahl	606	15	08/04/89
	Ω	5	0	0	2	9	6	2	03/26/91	Pandey et al.	514	410	07/20/88
	R	5	0	2	6	3	6	7	06/25/91	Leckrone <i>et al.</i>	606	7	03/18/88
	s	5	1	7	1	7	4	9	12/15/92	Levy et al.	514	410	06/20/91
	Т	5	1	9	0	5	3	6	03/02/93	Wood et al.	606	16	02/19/92
	υ	5	2	6	3	9	2	5	11/23/93	Gilmore et al.	604	4	07/22/91
	V	5	2	8	3	2	5	5	02/01/94	Levy et al.	514	410	09/11/92

/Karen A. Canella, Ph.D./

**EXAMINER** 

DATE CONSIDERED

06/10/2010

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<sup>\*</sup> If an asterisk is placed beside the reference number, a copy is NOT provided because the reference was previous cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S. 27 C.F.R. § 1.98(d).

+ Derwent English language abstract and/or English translation provided.

#### CONFIRM. NO. **FORM PTO-1449** ATTY. DOCKET NO. SERIAL NO. 25886-0057 09/905,777 5768 **APPLICANT** CUSTOMER NO. LIST OF PATENTS AND PUBLICATIONS FOR Chen, James 24961 APPLICANT'S INFORMATION DISCLOSURE **STATEMENT** FILING DATE **GROUP** July 13, 2001 1614

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		D	OCUM	ENT N	IUMBI	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
	w	5	3	1	4	9	0	5	05/24/94	Pandey et al.	514	410	11/09/92
	×	5	3	4	4	4	3	4	09/06/94	Talmore	607	88	12/21/92
	Y	5	3	9	9	5	8	3	03/21/95	Levy et al.	514	410	01/25/94
	Z	5	4	5	6	6	6	1	10/10/95	Narciso, Jr.	604	20	03/31/94
	AA	5	4	7	4	5	2	8	12/12/95	Meserol	604	20	03/21/94
	AB	5	4	7	4	7	6	5	12/12/95	Thorpe	424	178.17	03/23/92
	AC	5	4	8	2	6	9	8	01/09/96	Griffiths	424	1.41	04/22/93
	AD	5	4	8	4	8	0	3	01/16/96	Richter	514	410	02/02/95
	AE	5	4	9	4	7	9	3	02/27/96	Schindele <i>et al.</i>	435	6	06/14/89
	AF	5	5	1	9	5	3	4	05/21/96	Smith et al.	359	599	05/25/94
	AG	5	5	4	3	5	1	4	08/06/96	Sessler et al.	540	472	04/06/95
	АН	5	5	6	5	5	5	2	10/15/96	Magda <i>et al.</i>	534	11	06/07/95
	AI	5	5	7	1	1	5	2	11/05/96	Chen <i>et al.</i>	607	92	05/26/95
	AJ	5	5	7	6	0	1	3	11/19/96	Williams <i>et al</i> .	424	423	03/21/95
·	AK	5	5	9	1	8	5	5	01/07/97	Hudkins et al.	546	256	04/24/95
	AL	5	5	9	4	1	3	6	01/14/97	Sessier <i>et al.</i>	540	472	05/03/95
	АМ	5	6	1	6	1	4	0	04/01/97	Prescott	606	10	03/21/94
	AN	5	6	3	0	9	9	6	05/20/97	Reno <i>et al.</i>	424	1.49	09/16/93
···	AO	5	6	3	4	7	1	1	06/03/97	Kennedy <i>et al.</i>	362	119	09/13/94
	AP	5	6	4	3	3	3	4	07/01/97	Eckhouse <i>et al</i> .	607	88	02/07/95
	ΔQ	5	6	4	5	5	6	2	07/08/97	Hann et al.	606	194	03/11/96
	AR	5	6	5	5	8	3	2	08/12/97	Pelka <i>et al.</i>	362	296	05/22/95

/Karen A. Canella, Ph.D./

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FORM PTO-1449	ATTY. DOCKET NO. 25886-0057	SERIAL NO. 09/905,777	CONFIRM. NO. 5768		
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT Chen, James	CUSTOMER NO. 24961			
STATEMENT	FILING DATE July 13, 2001				

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#### **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	*Ref. Code		Ð	OCUM	IENT N	NUMBI	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AS	5	6	8	6	1	1	3	11/11/97	Speaker <i>et al.</i>	424	490	03/21/95
	AT	5	6	9	8	8	6	6	12/16/97	Doiron et al.	257	99	05/28/96
	AU	5	7	0	0	2	4	3	12/23/97	Nariso, Jr.	604	102	05/24/96
	AV	5	7	0	5	5	1	8	01/06/98	Richter et al.	514	410	02/16/95
	AW	5	7	0	7	4	0	1	01/13/98	Talmore	607	88	02/24/95
	АХ	5	7	0	9	6	5	3	01/20/98	Leone	604	20	07/25/96
	AY	5	7	4	6	4	9	4	05/05/98	Koeda et al.	362	32	11/14/95
	AZ	5	7	6	6	2	2	2	06/16/98	Petit	606	234	07/07/97
	ВА	5	7	6	9	8	4	4	06/23/98	Ghaffari	606	16	06/07/95
	BB	5	7	7	0	7	3	0	06/23/98	Pandey et al.	540	472	03/08/96
	ВС	5	7	7	5	3	3	9	07/07/98	Woodburn et al.	128	898	08/19/97
	BD	5	7	7	6	1	7	5	07/07/98	Eckhouse et al.	607	100	09/29/95
	BE	5	7	7	6	4	2	7	07/07/98	Thorpe et al.	424	1.49	06/01/95
	BF	5	7	9	7	8	6	8	08/25/98	Leone	604	21	07/25/96
	BG	5	7	9	8	3	4	9	08/25/98	Levy et al.	514	185	02/17/95
	вн	5	8	0	7	8	8	1	09/15/98	Leong <i>et al.</i>	514	410	09/22/94
	ВІ	5	8	1	1	2	4	8	09/22/98	Ditlow et al.	435	7.9	06/07/95
	BJ	5	8	2	9	4	4	8	11/03/98	Fisher et al.	128	898	10/30/96
	ВК	5	8	3	5	6	4	8	11/10/98	Narciso, Jr. et al.	385	31	03/07/97
	BL	5	8	4	3	1	4	3	12/01/98	Whitehurst	607	88	08/24/94
	ВМ	5	8	4	9	0	2	7	12/15/98	Gart et al.	607	93	09/04/96
	BN	5	8	5	1	2	2	5	12/22/98	Lawandy	607	88	11/13/96

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EXAMINER INITIAL	*Ref. Code		Dŧ	осим	IENT N	NUMBI	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
	во	5	8	5	5	8	6	6	01/05/99	Thorpe et al.	424	1.49	03/02/94
	BP	5	8	6	3	5	3	8	01/26/99	Thorpe et al.	424	136.1	06/01/95
	BQ	5	8	6	4	0	3	5	01/26/99	Pandey et al.	540	472	03/06/97
	BR	5	9	0	6	5	7	9	05/25/99	Vander Salm et al.	600	424	08/14/97
	BS	5	9	1	2	2	5	7	06/15/99	Prasad et al.	514	356	09/05/96
	ВТ	5	9	1	3	8	3	4	06/22/99	Francais	600	591	06/09/98
	BU	5	9	2	9	1	0	5	07/27/99	Sternberg et al.	514	410	06/01/98
	BV	5	9	5	2	3	2	9	09/14/99	Cincotta et al.	514	224.5	01/23/97
	BW	5	9	7	6	1	7	5	11/02/99	Hirano <i>et al.</i>	607	89	06/18/96
	вх	5	9	8	9	2	4	5	11/23/99	Prescott	606	14	03/31/97
	BY	6	0	1	3	0	5	3	01/11/00	Bower et al.	604	96	05/17/96
	BZ	6	0	1	5	8	9	7	01/18/00	Theodore et al.	540	474	05/13/96
	CA	6	0	2	1	3	4	7	02/01/00	Herbst <i>et al.</i>	607	2	12/04/97
· · · · · · · · · · · · · · · · · · ·	СВ	6	0	5	1	2	3	0	04/18/00	Thorpe et al.	424	178.1	06/01/95
	СС	6	0	5	8	9	3	7	05/09/00	Doiron et al.	128	898	07/18/97
	CD	6	0	7	1	9	4	4	06/06/00	Rodgers et al.	514	408	11/12/97
-	CE	6	1	0	0	8	9	3	08/08/00	Ensz et al.	345	420	05/23/97
	CF	6	1	6	5	4	4	0	12/22/00	Esenaliev	424	1.11	07/09/98
	CG	6	1	8	3	4	4	4	02/06/01	Glines et al.	604	187	05/16/98
	СН	6	2	1	7	8	6	9	04/17/01	Meyer et al.	424	178.1	09/05/97
	CI	6	2	3	8	4	2	6	05/29/01	Chen	607	88	07/19/99
	CJ	6	2	8	1	6	1	1	08/28/01	Chen et al.	310	171	04/11/00

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EXAMINER INITIAL	*Ref. Code		Đ	OCUM	IENT N	NUMB	ER		DATE	NAME	CLASS	SUB CLASS	FILING DATE
	СК	6	4	1	6	5	5 3	1	07/09/02	Chen	607	89	06/24/98
	CL	6	4	5	4	7	8	9	09/24/02	Chen	607	88	01/15/99
	СМ	6	5	2	0	6	6	9	02/18/03	Chen et al.	362	545	06/19/00
	CN	6	5	3	4	0	4	0	03/18/03	Pandey et al.	424	9.362	12/18/00
	СО	6	5	5	4	8	5	3	04/29/03	Chen	607	88	07/20/01
	СР	6	5	8	0	2	2	8	06/17/03	Chen et al.	315	185 R	08/22/00
	cα	6	6	0	2	2	7	4	08/05/03	Chen	607	88	03/18/99

#### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code		D	OCUM	ENT N	NUMBI	ER		DATE	COUNTRY	CLASS	SUB CLASS	Tran: Yes	slation No
	CR	0	0	4	1	7	2	7	07/20/00	РСТ				
	cs	0	0	5	2	7	9	3	09/08/00	РСТ				
	СТ	0	1	7	5	6	1	7	10/30/91	EP				
	CU	0	1	7	8	2	1	6	10/18/01	РСТ				
	CV	0	1	7	8	4	5	8	10/18/01	РСТ				
	cw	0	1	9	8	7	0	8	12/27/01	РСТ				
	сх	0	2	1	7	6	9	0	02/28/02	РСТ				
	CY	01	0	1	5	6	9	4	03/08/01	РСТ				
	CZ	03	0	5	2	7	9	3	06/26/03	РСТ				
	DA	03	0	6	1	6	9	6	07/31/03	PCT				
	DB	0	4	0	7	1	2	2	01/09/91	EP				
	DC	1	3	3	4	7	4	8	08/13/03	EP A1				

/Karen A. Canella, Ph.D./

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EXAMINER INITIAL	*Ref. Code		D	OCUM	ENT N	NUMBI	ER		DATE	COUNTRY	CLASS	SUB CLASS	Trans Yes	slation No
	DD	2	3	2	3	2	8	4	09/23/98	ик				
	DE	5	3	0	8	4	9	98	07/26/78	JP			Yes	}
	DF	5	7	1	8	5	2	20	11/15/92	JP			Yes	
	DG	9	2	0	0	1	0	6	01/09/92	PCT				
	DH	9	3	0	0	0	0	5	01/07/93	РСТ				
	DI	9	3	1	1	6	5	7	06/24/93	PCT				
	DJ	9	3	1	3	7	6	9	07/22/93	РСТ				
	DK	9	3	2	4	1	2	7	12/09/93	РСТ				
	DL	9	4	0	6	4	2	4	03/18/99	РСТ				
	DM	9	5	3	2	0	0	1	11/30/95	РСТ				
	DN	9	6	0	6	6	4	1	03/07/96	РСТ				
	DO	9	7	3	1	5	8	2	09/04/97	РСТ				
	DP	9	7	3	2	8	8	5	09/12/97	РСТ				
	DQ	9	7	4	0	6	7	9	11/06/97	РСТ				
	DR	9	7	4	6	2	6	2	12/11/97	РСТ				
	DS	9	8	2	0	9	3	6	05/22/98	РСТ				
	DT	9	8	3	3	2	5	1	07/30/98	РСТ				
	DU	9	8	4	7	5	4	1	10/29/98	РСТ				
	DV	9	8	5	0	3	8	7	11/12/98	РСТ				
	DW	9	8	5	2	6	1	0	11/26/98	РСТ				
	DX	9	9	6	7	2	4	8	12/29/99	PCT				
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE	APPLICANT Chen, James	CUSTOMER NO. 24961		
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DZ	Adili <i>et al.</i> , "Local delivery of photosensitizing drugs in arteries: a novel approach to photodynamic therapy for the prevention of intimal hyperplasia", <i>Proc. SPIE-INT. Soc. Opt. Eng.</i> , 2395:402-408 (1995) (Ger. Symp. Laser Angioplasty, 2nd, 1980)
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EK	Certified English Translation of Japanese Patent Application No. Sho51-159879 (Japanese Kokai [Unexamined Patent] No. 53-84998), "Carcinostatic Method,"
EL	Certified English Translation of Japanese Kokai [Unexamined Patent] No. 57-185220, "Anti-Cancer Drug Having Chlorophyll Derivative Effective Component,"

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 EZ	Jacka et al., "A Lamp for Cancer Phototherapy", Aust. J. Phys., 36:221-226 (1983)
 FA	Jiang <i>et al.</i> , "Enhanced photodynamic killing of target cells by either monoclonal antibody or low density lipoprotein mediated delivery systems", <i>J. Controlled Release</i> , <u>19</u> :41-58 (1992)
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FC	Kashtan <i>et al.</i> , "Photodynamic Therapy of Colorectal Cancer Using a New Light Source from In Vitro Studies to a Patient Treatment", <i>Dis. Colon. Rectum.</i> , 39(4):379-383 (1996)
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FN ·	Pandey et al., Comparative in vivo sensitizing efficacy of porphyrin and chlorin dimers joined with ester, ether, carbon-carbon or amide bonds, <b>J. Molecular Recognition 9</b> : 118-122 (1996).
FO	Pandey et al., "Shedding some light on tumours", Chem. Indust., 1998:739-743 (1998)
FP	Parrish, J.A., "Photobiologic Consideration in Photoradiation Therapy" <i>Porphyrin Photosensitization</i> , Kessel, D. and T.M. Dougherty (Eds.) New York: Plenum Press, 1983 pp. 91-108
FQ	Pittau et al., "An Inexpensive Light Source for Oncologic Photodynamic Therapy", IEEE Eng. Med. Biol., pp. 105-106 (1998)
FR	Prewett <i>et al.</i> , "Antivascular Endothelial Growth Factor Receptor (Fetal Liver Kinase 1) Monoclonal Antibody Inhibits Tumor Angiogenesis and Growth of Several Mouse and Human Tumors", <i>Cancer Research</i> , <u>59:</u> 5209-5218 (1999)
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FZ	Sharman et al., "Novel water-soluble phthalocyanines substituted with phosphonate moieties on the benzo rings", <i>Tetrahedron Lett.</i> , 37(33):5831-5834 (1996)			
GA	Spikes, J.D., Porphyrins and related compounds as photodynamic sensitizers, Annals of the New York Academy of Sciences 244: 496-508 (1975).			
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GL	Yamamoto, T., "Effect of phytochlorin on transplantable cancer cells", <i>Medicine and Biology</i> , 89(6):433-438, English translation and certificate of translation included, 7 pages (December 10, 1974)
GM	Yamamoto <i>et al.</i> , "Photodynamic effects on the nucleic acids of cancer cells sensitized by sodium phytochlorin", <i>Medicine and Biology</i> , 90(6):397-400, English translation and certificate of translation included, 4 pages (June 10, 1975)
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GO	Yamamoto, T., "Suppression of tumors by the photodynamic action of phytochlorin sodium", <i>Medicine and Biology</i> , 90(4):161-164, English translation and certificate of translation included, 4 pages (April 10, 1975)
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